BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		24/04/18 to 20/05/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.16		Providing 12mm thick cement plaster in Single coats with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge							
		Ceiling Plastering							
		Stage	Sqm	1	11.40	3.00		34.20	
		Hall	Sqm	1	11.40	9.60		109.44	
		Office	Sqm	1	5.60	3.00		16.80	
		Ladies Toilet	Sqm	1	2.70	3.00		8.10	
		Gents Toilet	Sqm	1	2.70	3.00		8.10	
		PORTICA	Sqm	1	6.75	2.30		15.53	
							Total	**192.17**	
Item No.17		Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work . (GROUND FLOOR)							
		Ground Floor							
		Footing	tonne	From calculation sheet				**1.61**	
		Columns	tonne	From calculation sheet				**1.76**	
		Plinth beam	tonne	From calculation sheet				0.90	
		Roof Slab	tonne	From calculation sheet				1.53	
		Lintel	tonne	From calculation sheet				**0.09**	
		Chajja	tonne	From calculation sheet				**0.04**	
		Roof Beam	tonne	From calculation sheet				3.65	
		StairCase	tonne	From calculation sheet				0.42	
							Total	**10.00**	

Contractor's Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		11/5/18 19/5/18							
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No.18		Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications and as per the directions of the Engineer-in-charge of the work .							
		200mm thick Wall							
		Along Grid A	Sqm	1	16.25		3.20	52.00	
		Along Grid 6	Sqm	1	11.40		3.20	36.48	
		Along Grid D	Sqm	1	16.25		3.20	52.00	
		Along Grid 1	Sqm	1	11.40		3.20	36.48	
		Along Grid 5	Sqm	1	11.40		3.20	36.48	
		Office Wall	Sqm	1	3.00		3.50	10.50	
		PARAPET	Sqm	1	11.60		0.90	10.44	
			Sqm	1	11.60		0.90	10.44	
		Deductions							
		MD	Sqm	1	2.60		2.40	-6.24	
		D1	Sqm	3	0.90		2.10	-5.67	
		W	Sqm	8	1.80		1.20	-17.28	
		Columns	Sqm	8	0.30		3.05	-7.32	
			Sqm	5	0.20		3.05	-3.05	
							Total	**205.26**	

Assistant Executive Engineer
Sub Division
BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		19/5/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.19		Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 3.5 Newton per Sqmm with cement mortar 1:4 (quoin, Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		100mm thick Wall							
		Toilet Partition Wall	Sqm	1	3.00		3.50	10.50	
		Parapet Wall	Sqm	1	16.40		0.90	14.76	
			Sqm	1	16.40		0.90	14.76	
							Total	**40.02**	

Assistant Executive Engineer
Contractor's
Vidyaranapura Sub-Division
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Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		28/06/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.20		Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200mm and as per the directions of the Engineer-in-charge of							
		Flooring							
		Stage	Sqm	1	11.40	3.00		34.20	
			Sqm	1	11.40		0.45	5.13	
		Stage Steps	Sqm	3	2.00	0.30		1.80	
		Hall	Sqm	1	11.40	9.58		109.21	
		Office	Sqm	1	5.60	3.00		16.80	
		Entrance Steps	Sqm	2	6.75		0.15	2.03	
			Sqm	1	6.75		0.30	2.03	
		Entrance	Sqm	1	6.75	2.30		15.53	
							Total	**186.73**	
						LIMTED		**174.41**	

Assistant Executive Engineer
Sub-Division
BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		12/7/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.21		Providing Ceramic tiles of approved make, shade and size for flooring treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement usign colour pigment, including cost of materials, labour, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Toilet Flooring							
		Gents Toilet	Sqm	1	2.75	3.00		8.25	
		Ladies Toilet	Sqm	1	2.75	3.00		8.25	
							Total	**16.50**	
							LIMTED	**11.16**	

Assistant Executive Engineer
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BBMP, Bangalore

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Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		13/07/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.22		Providing skirting, dado, rises of steps with White glazed tiles 20x20cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Wall cladding							
		Gents Toilet	Sqm	2	2.75		1.40	7.70	
			Sqm	2	3.00		1.40	8.40	
		Ladies Toilet	Sqm	2	2.75		1.40	7.70	
			Sqm	2	3.00		1.40	8.40	
		Deductions							
		D1	Sqm	2	0.90		2.10	-3.78	
							Total	**28.42**	
							LIMTED	**10.92**	

Assistant Executive Engineer
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Assistant Engineer,
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BBMP, Bangalore

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Project Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		11/06/18							
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No.23		Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Main Door	cum	2	0.08	0.10	2.40	0.04	
			cum	2	0.10	0.05	2.60	0.03	
							Total	**0.07**	
							LIMTED	**0.06**	

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Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		18/7/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.24		Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Main Door	Sqm	1	2.60		2.40	6.24	
							Total	**6.24**	
						LIMTED		**6.00**	

Assistant Executive Engineer
Contractor's Representative

Assistant Executive Engineer
Vijayarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		20/7/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.25		Providing Math/Nandi wood frames of doors ,windows, clerestory windows, ventilatorsand other frames,wroughtframed or assembled including making plaster grooves(excluding cost of cement concrete and side clamps),but including cost of materials,labour ,HOM of machineries, complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		D1	cum	2	0.05	0.10	2.10	0.02	
			cum	2	0.10	0.05	0.90	0.01	
							Total	0.03	

Assistant Executive Engineer
Contractor's
Yelahanka Sub-Division
Representative
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Assistant Engineer,
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BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		20/7/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.26		Providing and fixing in position Mathi.Nandi wood shutters for doors with styles and rails of 40 mm, thick with bottom and lock rails 180 mm wide top rails and styles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials , labour HOM of machinery complete as per specifications (excluding cost of fixtures) and as per the directions of the Engineer-in-charge of the work .							
		D1	Sqm	2	0.90		2.10	3.78	
							Total	3.78	

Assistant Executive Engineer
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Narayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer
Project Sub Division
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		27/7/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.27		Providing 18mm thick cement plaster in Single coats with cement mortar 1:6 to Brick Masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		External Plastering							
		Long wall	Sqm	2	16.25		3.60	117.00	
		Short wall	Sqm	2	11.80		3.60	84.96	
		Parapet Wall	Sqm	2	11.80		2.00	47.20	
		Deductions							
		Deductions							
		MD	Sqm	1	2.60		2.40	-6.24	
		W	Sqm	8	1.80		1.20	-17.28	
		V1	Sqm	8	1.80		0.30	-4.32	
		V2	Sqm	2	0.60		0.30	-0.36	
							Total	**220.96**	
							LIMTED	**161.04**	

Contractor's Representative

Assistant Executive Engineer
Byateravanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		31/7/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.28		Providing 12mm thick cement plaster in single coat with cement mortor 1:6, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Internal Plastering							
		Wall near stage	Sqm	1	11.40		3.00	34.20	
			Sqm	2	3.00		3.00	18.00	
		Hall	Sqm	1	11.40		3.45	39.33	
			Sqm	2	9.58		3.45	66.10	
		Office	Sqm	2	5.60		3.45	38.64	
			Sqm	2	3.00		3.45	20.70	
		Ladies Toilet	Sqm	2	2.70		1.35	7.29	
			Sqm	2	3.00		1.35	8.10	
		Parapet Wall	Sqm	2	16.25		2.10	68.25	
		Gents Toilet	Sqm	2	2.70		1.35	7.29	
			Sqm	2	3.00		1.35	8.10	
		Deductions							
		MD	Sqm	1	2.60		2.40	-6.24	
		W	Sqm	8	1.80		1.20	-17.28	
							Total	**292.48**	

Contractor's Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		10/8/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.29		Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specification - do with primer and as per the directions of the Engineer-in-charge of the							
		Internal Paniting							
			Sqm	Same as internal Plastring				292.48	
							Total	**292.48**	

Contractor's Representative

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		30/8/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.30		Providing and finishing external walls with in two coats with water proof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortardrops and other foreign matter cost of material labour complete as per specifications with primer and as per the directions of the Engineer-in-charge of the work .							
		External Paniting							
			Sqm	Same as External Plastring				220.96	
							Total	**220.96**	
							LIMTED	**161.04**	

Contractor's Representative

Assistant Executive Engineer
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KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		7/09/18 to 10/9/18							
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mm x 18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc. and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sectiöns anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steels crews, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rust and coated with greasy for non adhesion of mortor and other sticky materials: (this coating should be cleaned after installation) including cost of materials, labour charges, HOM of machineries complete as per specifications and as per								
Item No.31									
		W	Sqm	8	1.80		1.20	17.28	
		V1	Sqm	8	1.80		0.30	4.32	
		V2	Sqm	2	0.60		0.30	0.36	
		Bathroom partition	Sqm	2	2.70		2.00	10.80	
							Total	**32.76**	
		Providing , fabricating , assembing and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505 kg/m , top section 47.62x44.45mm thickness 3.18mm, section weight 2.646 kg/m, door central section 49.91x44.45mm thickness 3.00mm,section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m , aluminium section cut to length joint metred corners grinded , the shutters pivoted opening arrangment with heavy duty aluminium alloy automatic door closures floor mounted ,providing and fixing standard approved accessories , such as aluminium handle for full width or length, tower bolts, lock , pivots :P.V.C.or rubber gasket with 5.5m.thick plain glass for top and bottom panel: aluminium section treated for removel of any rust and prevention of further rust formation,and coated with greasy materials for non - adherance of mortars or any other stick materials; the assemble frame fitted with the corner angles, strips and fitted with screws ,rawl plugs or teakwood guttise to R.C.C.columns or masonry on sides. beams and flooring in bottom. including cutting , chistling and making good with cement mortar to match the surface ;all the frames throughly cleaned free from rust, scale , or dirt including cost of materials,fixtures,labour and HOM of machinery complete as per specifications and								
Item No.32									
		D1	Sqm	2	0.90		2.10	3.78	
							Total	**3.78**	

Contractor's Representative

Assistant Executive Engineer
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Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05

Agency :Technical manger KRIDL

MEASUREMENT SHEET - 1ST & Final Bill

Measurements Taken On		20/9/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.33		Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		W	Sqm	8	1.80		1.20	17.28	
		V	Sqm	8	1.80		0.30	4.32	
		Front Grill	Sqm	1	9.00		0.90	8.10	
		On compound wall	Sqm	6	3.00		0.60	10.80	
							Total Area	**40.50**	
		Quantity	**kgs**	Assuming 21kg/Sqm					
								850.50	
							Total	**850.50**	

Contractor's Representative

Assistant Executive Engineer
Byataravanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer,
Project Sub Division,
BBMP, Bangalore

Assistant Executive Engineer,
Project Sub Division,
BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		20/9/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.34		Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps or Staircase are made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c are fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes are fixed horizontally for 2-rows top, one pipes are fixed with vertical pipes another one are fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or Staircase for physically challenged							
		Stairs	Sqm	1	4.60		0.95	4.37	
		Stairs	Sqm	1	3.80		0.95	3.61	
		Stairs	Sqm	1	4.80		0.95	4.56	
							Total	12.54	
						LIMTED		9.00	

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Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

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BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		20/9/11							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.35		Earthwork excavation for foundation of buildings culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches where excavation width is up to 600mm and below 1.5m, in ordinary soil including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m. after breaking of clods complete as per specifications and directions of the Engineer-in-charge of the work.							
		Compound Wall	cum	1	23.00	0.45	0.45	4.66	
							Total	4.66	

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BBMP, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF Dr. B.R.AMBEDKAR BHAVAN IN KOGILU LAYOUT IN WARD No. 05									
Agency :Technical manger KRIDL									
MEASUREMENT SHEET - 1ST & Final Bill									
Measurements Taken On		22/09/18							
Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.36		Providing and laying in position plain cement concrete of mix M 1:3:6 With opc Cement @ 220 kgs with using 40mm and down size graded granite metal Coarse Aggregates @0.892Cum , & Fine Aggregates @0.465Cum ,machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer-in-charge of the work.							
		PCC							
		Compound Wall	cum	1	23.00	0.45	0.15	1.55	
							Total	1.55	
							LIMTED	1.38	

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